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number : **09-277649**(71) **TOYOTA MOTOR CORP**
Applicant :(22)Date of filing : **09.10.1997**(72)Inventor : **OGURA YOSHITSUGU**
YOSHIDA TAKESHI

(30)Priority

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number : **09 6572** date : **17.01.1997** country : **JP**(54) **CATALYST FOR EXHAUST GAS PURIFICATION AND MANUFACTURE THEREOF**

(57)Abstract:

PROBLEM TO BE SOLVED: To further improve the durability by increasing the inhibitive effects upon the poisoning of an occlusion material by sulfur and at the same time, inhibiting the sintering of a catalytic noble metal, in an occlusion reduction-type catalyst.

SOLUTION: This catalyst for exhaust gas purification comprises a core part 10 made up of a first carrier and an NO_x occlusion material contained in the first carrier and a catalyst carrying layer 11 made up of a second carrier and a catalytic noble metal contained in the second carrier and formed on the surface of the core part 10. SO_x is prevented from reaching the core part 10 by the catalyst carrying layer 11 and the sintering of the catalytic noble metal is prevented from occurring as the NO_x occlusion material is separated from the catalytic noble metal.

